

National Heavy Vehicle Regulator Common Heavy Freight Vehicle Configurations

Disclaimer: This diagram shows some of the common heavy vehicle combinations used in Australia. Access for some illustrated vehicles and configuration is subject to an access authorisation (notice or permit). Other heavy vehicle configurations may not be represented. The mass and length limits shown are from the Heavy Vehicle (Mass, Dimension and Loading) National Regulation (the MDL Regulation) and are provided for general guidance only. These limits are available only to vehicles that comply with all other regulatory requirements (e.g. width and height limits, tyre width, vehicle standards, load restraint, suspension type etc). In some circumstances, access may be considered under a different vehicle class or other mass concessions and length limits may also be available. The NHVR website provides links to the MDL Regulation and to national and state Notices which may apply, depending on individual circumstances. For further information, contact the NHVR at 1300 MYNHVR (1300 696 487) or info@nhvr.gov.au or www.nhvr.gov.au/contact-us

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1. CC	DMMON RIGID TRUCKS - GENERAL ACCESS	Description	Maximum Length (metres)	Maximum Regulatory Mass under GML (tonnes)	Maximum Regulatory Mass under CML (tonnes)	Maximum Regulatory Mass under HML (tonnes)
(a)	6.Ot 9.Ot	2 Axle Rigid Truck	≤ 12.5	15.0	CML does not apply	-
(b)	6.0t 16.5t	3 Axle Rigid Truck	≤ 12.5	22.5	23.0	-
(c)	6.0 20.0t	4 Axle Rigid Truck	≤ 12.5	26.0	27.0	-
(d)	10.0t 16.5t	4 Axle Twinsteer Rigid Truck	≤ 12.5	26.5	27.0	-
(e)	10.0' 20.0t	5 Axle Twinsteer Rigid Truck	≤ 12.5	30.0	31.0	-
2. C(OMMON SEMITRAILER COMBINATIONS - GENERAL ACCE	3 Axle Semitrailer	≤ 19.0	24.0		
(b)	6.0t 9.0t 9.0t	4 Axle Semitrailer	≤ 19.0	31.5	32.0	32.0
(c)	6.0t 9.0t 16.5t	5 Axle Semitrailer	≤ 19.0	35.0	36.0	37.5
	6.0t 9.0t 20t					
(d)	6.0t 16.5t 16.5t	5 Axle Semitrailer	≤ 19.0	39.0	40.0	40.0
(e)	OMMON RIGID TRUCK AND TRAILER COMBINATIONS (Ge	6 Axle Semitrailer	≤ 19.0	42.5	43.5	45.5
(a)	6.0t 9.0t 9.0t' 9.0t'	2 Axle Truck and 2 Axle Dog Trailer	≤ 19.0	30.0		
(b)	6.0t 9.0t 15.0t	2 Axle Truck and 2 Axle Pig Trailer	≤ 19.0	30.0	CML does not apply	-
(c)	6.0t 16.5t 9.0t 9.0t	3 Axle Truck and 2 Axle Dog Trailer	≤ 19.0	40.5	41.0	-
(d)	6.Ot 16.5t 15.Ot	3 Axle Truck and 2 Axle Pig Trailer	≤ 19.0	37.5	CML does not apply	-
(e)	6.0t 16.5t 9.0t' 16.5t'	3 Axle Truck and 3 Axle Dog Trailer	≤ 19.0	42.5	43.5	-
(f)	6.0t 16.5t 18.0t	3 Axle Truck and 3 Axle Pig Trailer	≤ 19.0	40.5	CML does not apply	-
(g)	6.0t 16.5t 16.5t" 16.5t"	3 Axle Truck and 4 Axle Dog Trailer	≤ 19.0	42.5	43.5	-
(h)	10.0t 16.5t 9.0t 16.5t	4 Axle Truck and 3 Axle Dog Trailer	≤ 19.0	42.5	43.5	-
(i)	10.0t 16.5t 16.5t" 16.5t"	4 Axle Truck and 4 Axle Dog Trailer	≤ 19.0	42.5	43.5	-
4. CC	OMMON B-DOUBLE COMBINATIONS - CLASS 2	7 Axle B-double	≤ 19.0	55.5	57.0	57.0
(b)	6.0t 16.5t 16.5t 16.5t	8 Axle B-double	≤ 26.0	59.0	61.0	62.5
(c)	6.0t 16.5t 20.0t 16.5t	8 Axle B-double	≤ 26.0	59.0	61.0	62.5
(d)	6.0t 16.5t 16.5t 20.0t	9 Axle B-double	≤ 26.0	62.5	64.5	68.0
	OMMON TYPE 1 ROAD TRAINS - CLASS 2					
(a)	6.0t 16.5t 16.5t 16.5t 16.5t	9 Axle A-double	≤ 36.5	72.0	74.0	74.0
(b)	6.0t 16.5t 20.0t 16.5t 20.0t	11 Axle A-double	≤ 36.5	79.0	81.0	85.0
(c)	6.0t 16.5t 20.0t 20.0t 20.0t	12 Axle A-double	≤ 36.5	82.5	84.5	90.5
(d)	6.0t 16.5t 20.0t 20.0t 20.0t	12 Axle Modular B-triple	≤ 35.0	82.5	84.5	90.5
(e)		12 Axle B-triple	≤ 36.5	82.5	84.5	90.5
(f)		14 Axle AB-triple	≤ 36.5	99.0	101.0	107.5
(g)		15 Axle AB-triple	≤ 36.5	102.5	104.5	113.0
(h)	6.0t 16.5t 20.0t 20.0t 20.0t 20.0t 20.0t 6.5t 16.5t 16.5t 16.5t 16.5t 16.5t	11 Axle Rigid Truck and 2 Dog Trailers	≤ 36.5	88.5	90.5	91.0
6. C	OMMON TYPE 2 ROAD TRAINS - CLASS 2					
(a)	6.0t 16.5t 20.0t 16.5t 20.0t 16.5t 20.0t	16 Axle A-triple	≤ 53.5	115.5	117.5	124.5
(b)	6.0t 16.5t 20.0t 20.0t 20.0t 20.0t 20.0t	18 Axle A-triple	≤ 53.5	122.5	124.5	135.5
(c)	6.0t 16.5t 20.0t 20.0t 20.0t 20.0t	15 Axle AB-triple	≤ 44.0 – Classified by the NHVR as Type 1 when L ≤ 36.5m	102.5	104.5	113.0
(d)	6.0t 16.5t 16.5t 20.0t 16.5t 20.0t	13 Axle Rigid Truck and 2 Dog Trailers	\leq 47.5 – Classified by the NHVR as Type 1 when L \leq 36.5m	95.5	97.5	102.0
(e)	6.0t 16.5t 20.0t 20.0t 16.5t 20.0t 20.0t	17 Axle BAB-Quad	≤ 53.5	119.0	121.0	130.0
(f)	6.0t 16.5t 20.0t 20.0t 20.0t 20.0t 20.0t	18 Axle BAB-Quad	≤ 53.5	122.5	124.5	135.5
(g)		17 Axle ABB-Quad	≤ 53.5	119.0	121.0	130.0
(h)	6.0t 16.5t 20.0t 16.5t 20.0t 20.0t 20.0t	18 Axle ABB-Quad	≤ 53.5	122.5	124.5	135.5
	6.0t 16.5t 20.0t 20.0t 20.0t 20.0t 20.0t					